

Truck

Standard features:

EGR / DPD	Reversing horn	CD/USB/MP3 player
SCR with Ad-Blue	Immobilizer	Manual headlamp adjust control
On-board computer	Power door locks	Daytime Running Lights (DRL)
Engine brake	Suspension seat	Adjustable steering wheel
Electric windows	Fog lights	

Additional features:

Robotized drive with possibility to block speed

Engine:

Manufacturer	ISUZU
Model	4JJ1E6N
Emissions	Euro VI
Cooling	Water
Aspiration	Turbo with intercooler
Regulation	Electronic
Cycle	Diesel, 4 strokes
Cylinders (number and configuration)	2999 cm³
Bore x Stroke	94 x 112 (mm)
Displacement	4,5 l
Rated RPM	2800
Engine power @ 2800 RPM	110 kWm
Compression ratio	17,5 : 1

General features:

Electric system	12V – 24V
Battery capacity	2 x 70Ah
Fuel tank capacity	68 l
Configuration	Chassis Single Cab, 3 seats
Wheel base	205/75R16C – rear 205/75R16C double
Transmission system	Robotized drive with possibility to block speed
Suspension system	Front: leaf spring Rear: leaf spring
Towing hooks	Lockable Front and rear hook according to MS51335
Lighting system	Vehicle standard equipment
Traffic horn	ISUZU truck standard

Dimensions and weight:

Dimensions (LxWxH)	5295x1865x2150 mm
Curb Weight	2105 kg (truck) + 1500 kg (GPU)
Gross vehicle weight	3500 kg max

GPU model 20/90T

Standard features:

Engine:
24V electric starting
Radiator with blower fan
Oil pressure sensor
Water temperature sensor
Fuel level sensor
Air filter
Fuel filter
Lube oil filter
Protection grids for rotating parts
Electronic speed governor

Alternator:

24 poles, three phase, single bearing, brushless, self-excited Automatic voltage regulator
Air cooled
Electric output according to MIL-STD-704F

Frame:

Structural steel base equipped with vibration dampers, lifting facilities fitted
Storage compartment for cables

Control panel

115/200Vac output with 10 m long power cable
Weather- and soundproof canopy

Additional features:

28,5Vdc output with 10 m long power cable

Technical documents:

GPU operation and maintenance manual
Engine operation and maintenance technical manual
Alternator operation and maintenance technical manual
Control panel wiring diagram
Printed label fixed on rear side (under the control panel) for a quick start & use of GPU

GPU designed and manufactured in facilities certified to ISO 9001



Generating set:

Power output	90 (KVA / kW)
Power factor	0.8
Voltage	200 (V)
Frequency	400 (Hz)
Rated speed	2000 (RPM)
Fuel Tank	180 l

Engine:

Manufacturer	FPT (former Iveco)	Deutz
Model	NEF 45	TCD2012
Emissions	Stage III A	
Cooling	Water	
Aspiration	Turbo with intercooler	
Regulation	Electronic	
Cycle	Diesel, 4 strokes	
Cylinders (number and configuration)	4L	
Bore x Stroke	94 x 112 (mm)	101x126 (mm)
Displacement	4,5 l	4,04 l
Engine power	110kw@2000rpm	92kw@2000rpm

Dimensions and weight:

Battery capacity	2 x 110 Ah
Voltage	2x12 Vdc

Alternator:

Rated power	90 kVA
Insulation class	H
Mechanical protection	IP21
AVR	UVR6-H400B
Voltage regulation	Electronic: ± 1% (With any power factor and speed variations between -5% and +30%)
Execution	Brushless
Compliance with	Standard BS 2G 219 – EN2292 – ISO 6858 MIL-STD-704F

Approx overall dimensions and weight

Dimensions (L x W x H mm)	2800 x 1300 x 1400
Dry weight (kg)	1500

Control panel:

Set mounted and fitted on the rear side
IP54 protection degree
Potentiometer for voltage regulation
Programmable electronic device with backlight digital display
All measures are shown by scrolling pages through built-in buttons.
Any alarm latched are displayed with description text



Picture is for guidance only and it is not binding

Parameters displayed:

Engine: oil pressure, water temperature, fuel level, speed, battery voltage, hour counter, alternator battery charger.
400Hz output: voltage, frequency, current, power kVA-kVAR-kW, Cos phi.
28,5Vdc output: voltage and current

Protections:

Pre-configured and editable (through built-in buttons or software) thresholds, each one with its activation delay time:
Engine: low oil pressure, high water temperature, low fuel level, overspeed, under-speed, alternator battery charger failure, air filter clogged, low water level, low battery voltage, high battery voltage.
400Hz output: overvoltage, overfrequency, overcurrent, overload, short circuit, phase sequence.
28Vdc output: overvoltage, overcurrent.

Switches / Pushbuttons:

Power supply ON-OFF
START / STOP buttons
Min/Max engine speed
Power output activation/deactivation (for each output line)
Power output activation forced (permanent output activation, also without feedback from aircraft – plug pins E-F)
Emergency stop pushbutton
Alarm acknowledge and reset
Flashing light ON/OFF

Additional instrumentation:

Oil level gauge

Outputs and cables:

Outputs:
1x 115/200Vac Anderson Airmotive Products Co plug (model: R67G20E)
1x 28Vdc Anderson Airmotive Products Co plug (model: R65G3E);
Cables:
115/200Vac: 10m long 4x1x70mm²+4x1, twisted, tinned, extra flexible cable
28,5Vdc: 10m long 2x120mm², tinned, extra flexible cable

On board 28Vdc module

Power transformer + rectification circuit
“Line drop compensation” electronic device
28,5Vdc voltage
Power output:
600A continuous
1200A 90 sec
2400A max 15 sec

Weather- and soundproof canopy

Noise level achieved : ≤ 70 ± 3 dB(A) @ 1 m measured in open space

- Sturdy unit construction in electrowelded steel sheet
- Sound absorbing lining of unalterable and adequately thick materials;
- Ventilation silencers made up of sound-absorbing baffles;
- Recessed knobs with lock;
- Sealing strip on the door shutters ensure an excellent acoustic and water proofing;
- Galvanized steel hinges fastened with screws;
- Appropriate paintings for indoor and outdoor installation and finishing with RAL epoxy painting
- Rainproof gratings on the ventilation openings
- Exhaust silencers

Technical data are not binding.
They may be changed for technical improvements without prior notice